

## WEST Search History

DATE: Friday, September 24, 2004

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*DB=USPT; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L3	L1 and luminous	0
<input type="checkbox"/>	L2	L1 same luminous	0
<input checked="" type="checkbox"/>	L1	lens same diffract\$ same aspher\$ same zone same wavelength\$2	14

END OF SEARCH HISTORY

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### Search Results - Record(s) 1 through 14 of 14 returned.

#### 1. Document ID: US 6781944 B1

L1: Entry 1 of 14

File: USPT

Aug 24, 2004

US-PAT-NO: 6781944

DOCUMENT-IDENTIFIER: US 6781944 B1

TITLE: Optical information processor with monolithically integrated light emitting device, light receiving devices and optics

DATE-ISSUED: August 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Toshiaki	Cambridge			GB

US-CL-CURRENT: 369/112.12; 369/112.08, 369/120, 369/44.12[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KJC/C](#) [Drawn Ds](#)

#### 2. Document ID: US 6781700 B2

L1: Entry 2 of 14

File: USPT

Aug 24, 2004

US-PAT-NO: 6781700

DOCUMENT-IDENTIFIER: US 6781700 B2

TITLE: Scanning interferometer for aspheric surfaces and wavefronts

DATE-ISSUED: August 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuchel; Michael	Oberkochen			DE

US-CL-CURRENT: 356/513; 356/450, 356/511, 356/512[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KJC/C](#) [Drawn Ds](#)

#### 3. Document ID: US 6728042 B2

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L1: Entry 3 of 14

File: USPT

Apr 27, 2004

US-PAT-NO: 6728042

DOCUMENT-IDENTIFIER: US 6728042 B2

TITLE: Optical pick-up device and objective lens used therein

DATE-ISSUED: April 27, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ota; Kohei	Hachioji			JP
Arai; Norikazu	Hachioji			JP

US-CL-CURRENT: 359/637; 359/634, 359/719, 369/112.03

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn Ds
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 4. Document ID: US 6636365 B2

L1: Entry 4 of 14

File: USPT

Oct 21, 2003

US-PAT-NO: 6636365

DOCUMENT-IDENTIFIER: US 6636365 B2

TITLE: Optical pickup apparatus and objective lens

DATE-ISSUED: October 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saito; Shinichiro	Hachioji			JP
Sakamoto; Katsuya	Hachioji			JP

US-CL-CURRENT: 359/719; 359/565, 359/721

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn Ds
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 5. Document ID: US 6624941 B2

L1: Entry 5 of 14

File: USPT

Sep 23, 2003

US-PAT-NO: 6624941

DOCUMENT-IDENTIFIER: US 6624941 B2

TITLE: Diffraction optical element

DATE-ISSUED: September 23, 2003

## INVENTOR-INFORMATION:

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NAME	CITY	STATE	ZIP CODE	COUNTRY
Takeuchi; Shuichi	Saitama-ken			JP
Maruyama; Koichi	Tokyo			JP

US-CL-CURRENT: 359/566; 359/565, 359/569, 359/570, 359/571, 359/574, 359/575,  
369/112.03, 369/112.07, 369/112.08

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

6. Document ID: US 6429972 B1

L1: Entry 6 of 14

File: USPT

Aug 6, 2002

US-PAT-NO: 6429972

DOCUMENT-IDENTIFIER: US 6429972 B1

TITLE: Diffraction lens

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ota; Kohei	Hachioji			JP
Kiriki; Toshihiko	Hachioji			JP

US-CL-CURRENT: 359/569; 359/565, 359/566, 359/571

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

7. Document ID: US 6411587 B1

L1: Entry 7 of 14

File: USPT

Jun 25, 2002

US-PAT-NO: 6411587

DOCUMENT-IDENTIFIER: US 6411587 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Optical pickup optical system, optical pickup apparatus, coupling optical system, coupling optical system lens and recording/reproduction apparatus

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arai; Norikazu	Hachioji			JP
Kojima; Toshiyuki	Hachioji			JP
Honda; Koji	Hachioji			JP

US-CL-CURRENT: 369/112.01; 369/112.2, 369/44.12, 369/44.23

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KUMC	Drawn De
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8. Document ID: US 6120191 A

L1: Entry 8 of 14

File: USPT

Sep 19, 2000

US-PAT-NO: 6120191

DOCUMENT-IDENTIFIER: US 6120191 A

TITLE: Laser diode module

DATE-ISSUED: September 19, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asakura; Hiroyuki	Osaka			JP
Tanaka; Yasuhiro	Ashiya			JP

US-CL-CURRENT: 385/93; 385/33, 385/37, 385/92

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KUMC	Drawn De
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9. Document ID: US 6088322 A

L1: Entry 9 of 14

File: USPT

Jul 11, 2000

US-PAT-NO: 6088322

DOCUMENT-IDENTIFIER: US 6088322 A

TITLE: Single objective lens for use with CD or DVD optical disks

DATE-ISSUED: July 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Broome; Barry G.	Carlsbad	CA	92008	
Richard; Jenkin A	Mountain View	CA	94043	

US-CL-CURRENT: 369/112.26; 369/118, 369/44.24, 369/44.37, 369/94

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KUMC	Drawn De
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10. Document ID: US 5978140 A

L1: Entry 10 of 14

File: USPT

Nov 2, 1999

US-PAT-NO: 5978140

DOCUMENT-IDENTIFIER: US 5978140 A

TITLE: Method for designing diffractive lenses

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maruyama; Koichi	Tokyo			JP

US-CL-CURRENT: 359/569; 359/565, 359/570, 359/900

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

11. Document ID: US 5838496 A

L1: Entry 11 of 14

File: USPT

Nov 17, 1998

US-PAT-NO: 5838496

DOCUMENT-IDENTIFIER: US 5838496 A

\*\* See image for Certificate of Correction \*\*

TITLE: Diffractive multi-focal objective lens

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maruyama; Koichi	Tokyo			JP
Kamikubo; Junji	Tokyo			JP

US-CL-CURRENT: 359/565; 359/569

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

12. Document ID: US 5589982 A

L1: Entry 12 of 14

File: USPT

Dec 31, 1996

US-PAT-NO: 5589982

DOCUMENT-IDENTIFIER: US 5589982 A

\*\* See image for Certificate of Correction \*\*

TITLE: Polychromatic diffractive lens

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Faklis; Dean	Fairport	NY		
Morris; G. Michael	Fairport	NY		

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US-CL-CURRENT: 359/565; 359/566, 359/569, 359/571, 359/572, 359/574[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)**□ 13. Document ID: US 5161040 A**

L1: Entry 13 of 14

File: USPT

Nov 3, 1992

US-PAT-NO: 5161040

DOCUMENT-IDENTIFIER: US 5161040 A

TITLE: Optical system with aberration suppression and optical head utilizing the same

DATE-ISSUED: November 3, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yokoyama; Osamu	Suwa			JP
Uchiyama; Shoichi	Suwa			JP

US-CL-CURRENT: 359/19; 359/565, 359/566, 359/742, 369/44.12, 369/44.14[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)**□ 14. Document ID: US 4578615 A**

L1: Entry 14 of 14

File: USPT

Mar 25, 1986

US-PAT-NO: 4578615

DOCUMENT-IDENTIFIER: US 4578615 A

TITLE: Vacuum fluorescent printing device employing a fly's-eye light coupling method

DATE-ISSUED: March 25, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Genovese; Frank C.	Airport	NY		
Lannom; James W.	Webster	NY		

US-CL-CURRENT: 313/497; 313/110, 345/32, 359/619, 445/24[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms	Documents
lens same diffract\$ same aspher\$ same zone same wavelength\$2	14

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